

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)				Docket No. WEAT/0135.C1		Serial No. Unknown		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Applicant Mackay		Confirmation No.: Unknown		
(Use several sheets if necessary)				Filing Date Herewith		Group Unknown		
Examiner								
U.S. Patent Documents								
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate	
<i>mm</i>	A1	6,543,552	05-08-2003	Metcalfe et al.	175	57		
	A2	6,527,049	03-04-2003	Metcalfe et al.	166	277		
	A3	6,457,532	10-01-2002	Simpson	166	380		
	A4	6,446,323	09-10-2002	Metcalfe et al.	29	523		
	A5	6,425,444	07-30-2002	Metcalfe et al.	166	387		
	A6	6,325,148	12-04-2001	Trahan et al.	166	297		
	A7	6,135,208	10-24-2000	Gano, et al.	166	313		
	A8	6,098,717	08-08-2000	Bailey et al.	166	382		
	A9	6,021,850	02-08-2000	Wood et al.	166	380		
	A10	5,918,677	07-06-1999	Head	166	380		
	A11	5,901,787	05-11-1999	Boyle	166	135		
	A12	5,794,702	08-18-1998	Nobileau	166	380		
<i>mm</i>	A13	5,685,369	11-11-1997	Ellis et al.	166	195		
F reign Patent Documents								
*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							YES	NO
<i>mm</i>	B1	0 961 007 A2	12-01-1999	Europe	E21B	33/10	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<i>mm</i>	B2	2 320 734 A	07-01-1998	Great Britain	E21B	33/127	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<i>mm</i>	B3	WO 01/04535	01-18-01	WIPO	F16L	55/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.						
	C1							
	C2							
	C3							
Examiner <i>Miller R</i>					Date Considered <i>11/18/04</i>			
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<i>mm</i>	A14	5,560,426	10-01-1996	Trahan et al.	166	120		
	A15	5,472,057	12-05-1995	Winfree	175	57		
	A16	5,435,400	07-25-1995	Smith	175	61		
	A17	5,409,059	04-25-1995	McHardy	166	208		
	A18	5,271,472	12-21-1993	Letumo	175	107		
	A19	4,848,469	07-18-1989	Baugh et al.	166	382		
	A20	4,697,640	10-06-1987	Szarka	166	120		
	A21	4,669,541	06-02-1987	Bissonnette	166	154		
	A22	4,588,030	05-13-1986	Blizzard	166	120		
	A23	4,531,581	07-30-1985	Pringle et al.	166	120		
	A24	4,429,620	02-07-1984	Burkhardt et al.	91	395		
	A25	4,413,682	11-08-1983	Callihan et al.	166	382		
<i>mm</i>	A26	4,324,407	04-13-1982	Upham et al.	277	27		
Foreign Patent Documents								
*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							YES	NO
<i>mm</i>	B4	WO 99/23354	05-14-1999	WIPO	E21B	43/10		X
<i>mm</i>	B5	WO 99/18328	04-15-1999	WIPO	E21B	23/01		X
<i>mm</i>	B6	WO 93/24728	12-09-1993	WIPO	E21B	17/10		X
OTHER ART								
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	C4							
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Examiner <i>mm</i>					Date Considered <i>11/18/04</i>			
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~ ^	A27	4,288,082	09-08-1981	Setterberg, Jr.	277	125		
	A28	4,159,564	07-03-1979	Cooper Jr.	29	727		
	A29	4,127,168	11-28-1978	Hanson et al.	166	123		
	A30	4,069,573	01-24-1978	Rogers, Jr. et al.	29	421 R		
	A31	3,911,707	10-14-1975	Minakov et al.	72	76		
	A32	3,818,734	06-25-1974	Bateman	72	75		
	A33	3,759,281	09-18-1973	Falcuta	137	68		
	A34	3,467,180	09-16-1969	F. Pensotti	165	180		
	A35	3,195,646	07-20-1965	Brown	166	208		
	A36	3,167,122	01-26-1965	Lang	166	14		
	A37	3,087,546	04-30-1963	B. J. Wooley	166	46		
	A38	2,898,971	08-11-1959	G. A. Hempel	153	82		
~ ✓	A39	2,663,073	12-22-1953	F. J. Bieber et al.	29	148		
Foreign Patent Documents								
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	B7							
	B8							
	B9							
OTHER ART								
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<i>mm</i>	A40	2,627,891	02-10-1953	P. B. Clark	153	82		
	A41	2,499,630	03-07-1950	P. B. Clark	153	81		
	A42	2,383,214	08-21-1945	Prout	153	82		
	A43	1,930,825	10-17-1933	E. F. Raymond	153	82		
	A44	1,597,212	08-24-1926	A. F. Spengler	153	82		
	A45	1,569,729	01-12-1926	O. Duda	153	82		
	A46	1,561,418	11-10-1925	O. Duda	153	82		
	A47	1,545,039	07-07-1925	H. E. Deavers	153	82		
	A48	1,324,303	12-09-1919	R.E. Carmichael	153	82		
	A49	761,518	05-31-1904	H. G. Lykken	153	82		
	A50	2002/0166668-A1		Metcalf et al.	166	378	12-22-1999	
	A51	2002-01666678-A1		Metcalf et al.	166	380	12-22-1999	
<i>mm</i>	A52	09/470,154		Metcalf et al.	153	82	12-22-1999	
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	A2							
	A3							
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	C11							
	C12							
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